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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,104	06/08/2005	Jens Pollmann-Retsch	DE020302	1362

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PHILIPS INTELLECTUAL PROPERTY & STANDARDS
P.O. BOX 3001
BRIARCLIFF MANOR, NY 10510

EXAMINER

ALEMU, EPHREM

ART UNIT	PAPER NUMBER
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2821

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	12/29/2006	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/538,104

Applicant(s)

POLLMAN-RETSCH ET AL.

Examiner

Ephrem Alemu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 August 2006.
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-11 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 6/08/2005, 8/24/2006.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

1. The specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Objections

2. Claim 2 is objected to because of the following informalities: In claim 2, line 1, "the device" lack antecedent basis. Is "the device" referring to "the cooling device" or "the at least one device"? Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1, 6, 9, 10 and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Parker (US 4,283,658).

Re claims 1, 6, 9, 10 and 11, Parker discloses a projection system having a lighting unit having a discharge lamp (14), a lamp driver (i.e., power supply 12), a cooling device (i.e., fan 29), at least one device (i.e., lamp sensing and blower control 20) for detecting at least one predetermined operating parameter (i.e., voltage, power, current) of the discharge lamp (14), together with a control unit (i.e., power supply 12 and control power supply 40) for controlling

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the lamp driver and/or the cooling device (i.e., fan 29) at least during switching on and/or off of the lighting unit in such a way that there is no excursion from a predetermined range of the at least one operating parameter (i.e., voltage, power, current) ; wherein a sensor (i.e., lamp sensing and blower control 22), connected to the control unit (i.e., power supply 12 and control power supply 40), is provided for detecting the power of the cooling device (i.e. fan 29) in the form of the velocity or the pressure or the volume of a gas stream directed onto the discharge lamp (14), the lamp driver (i.e., lamp power supply 12) and/or the cooling device (i.e., fan 29) being controllable by the control unit (i.e., power supply 12 and control power supply 40) as a function of the output signal of the sensor device (i.e., lamp sensing and blower control 20) (Fig. 1; abstract).

5. Claims 1-5, 7 and 8 are rejected under 35 U.S.C. 102(e) as being anticipated by Belliveau (US 6,635,999).

Re claim 1 and 5, Belliveau discloses a lighting unit having a discharge lamp (46, 124), a lamp driver (i.e., power supply 44, 120), a cooling device (i.e., fan 67, 114), at least one device (i.e., thermal sensor 66) for detecting at least one predetermined operating parameter (i.e., temperature, power) of the discharge lamp (46), together with a control unit (i.e., power supply 44, 120 and microprocessor 62, 102) for controlling the lamp driver and/or the cooling device (i.e., fan 67) at least during switching on and/or off of the lighting unit in such a way that there is no excursion from a predetermined range of the at least one operating parameter (Figs. 7-12; Col. 4, line 43- Col. 6, line 32; Col. 12, lines 23- Col. 15, line 22; Col. 16, lines 3-42; wherein the control unit (i.e., power supply 44, 120 and microprocessor 62, 102) is incorporated into the lamp driver).

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Re claim 2, Belliveau further discloses a sensor (i.e., thermal sensor 66) for detecting the operating parameter in the form of the temperature of a wall of the discharge vessel of the discharge lamp (46) (Fig. 9).

Re claims 3 and 4, Belliveau further discloses that one of the operating parameters of the discharge lamp (46, 124) being the lamp current and/or the lamp power (Figs. 11, 12; Col. 11, lines 6-24; Col. 12, lines 1-35; wherein the range of the at least one operating parameter is so rated that the mechanical stresses in the wall of the discharge vessel of the lamp (46, 124), caused by temperature fluctuations in the discharge lamp (46, 124), are at least substantially reduced).

Re claims 7 and 8, Belliveau further discloses the control unit (i.e., power supply 44, 120 and microprocessor 62, 102) comprises a microprocessor (62, 102) unit and a memory (not shown) for storing at least one switching schedule according to which the lamp driver (i.e., power supply 44, 120) and/or the cooling device (i.e., fan 67, 114) can be controlled; wherein a switching schedule can be activated by actuation of an off switch of the lighting unit, according to which schedule the lamp driver (i.e., power supply 44, 120) and the cooling device (i.e., fan 67, 114) are adjusted down alternately and/or stepwise (Figs. 7-12; Col. 14, lines 4-42).

Remarks

6. The information disclosure statement filed on 8/24/06 is a duplicate of information statement filed on 6/08/05.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hara et al. (US 6,398,366); teaches similar inventive subject matter.

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Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ephrem Alemu whose telephone number is (571) 272-1818. The examiner can normally be reached on M-F 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy P Callahan can be reached on (571) 272-1740. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


PRIMARY EXAMINER

EA
12-26-06